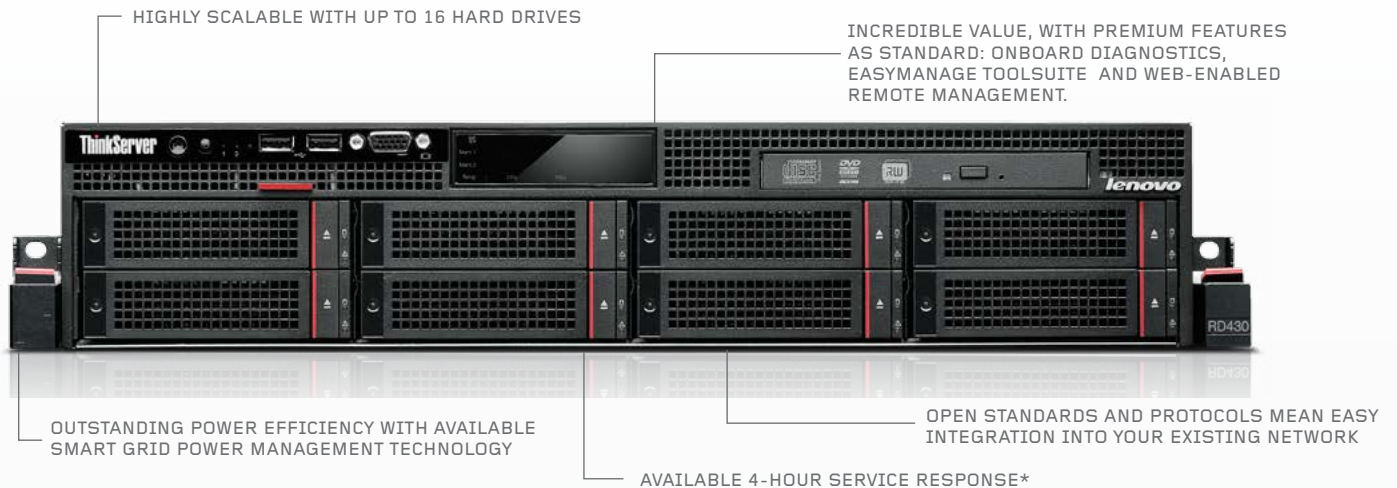


**THE LENOVO® THINKSERVER® RD430  
STORAGE RICH. REMARKABLE VALUE.**



The ThinkServer RD430 offers outstanding power efficiency with exclusive Lenovo Smart Grid technology. These storage-rich, value-oriented dual socket rack servers deliver extensive manageability tools, enormous scalability and fit easily into hybrid network environments.

**WHY CHOOSE THINKSERVER RD430?**

**Redefining Value in x86 Rack Servers.**

Choose ThinkServer RD430 when you need world-class power efficiency, proven Xeon E5-2400 performance and a extensive set of standard features. It's ideal for use in retail, education or professional services segments, where you need a powerful, highly scalable 2U rack server at prices easy on your budget. You get all this, along with the legendary Think reliability you trust. RD430 features built-in RAID on every model – your managed networks and user groups enjoy vault-safe data protection and lightning-fast data performance. RD430 offers outstanding remote manageability, an array of network adapter choices and rich I/O. RD430 is a perfect fit for hardware RAID workloads where you rely on robust bandwidth yet with energy efficient design innovation. Go ahead, install RD430 in your existing network. Its open standards design and IPMI 2.0 compliant protocols ensure worry-free integration into your hybrid network environments. RD430 works with your existing tools, management consoles and storage devices.

\* Available in select countries

**Impressive Manageability and Value**

The ThinkServer RD430 is loaded with the enterprise-grade features you demand. With up to 36TB capacity, outstanding I/O expansion and hot-swap drives, it offers a feature-rich solution that makes manageability a snap. Front-side Intelligent Diagnostics provide convenient, confident at-a-glance management. Configure your RD430 with cost-effective SATA or robust SAS drive choices, depending on your usage needs. Its enormous capacity and outstanding RAID protection on all models mean you won't compromise on storage nor data protection. Deploying ThinkServer RD430 as your next generation application server satisfies the demands of your collaborative user groups and allows you to rest easy. Smart move.

**Innovative Power Management**

Enjoy impressive power savings with ThinkServer Smart Grid power management technology. Based on Intel Power Node Manager® technology, Smart Grid scales power management to the datacenter level, simultaneously managing as many as 1,000 nodes. Use Smart Grid at any level of your datacenter hierarchy: rack, row, room or group. It provides sophisticated, policy-based, dynamic power capping tools to help you best manage power to changing server workloads. It's innovation that matters, ThinkServer technology that pays you back.



## WHAT MAKES A THINKSERVER THINK?

### Outstanding Efficiency and Value

#### Highly Efficient:

ThinkServers deliver world-class power efficiency – up to 45% more efficient than previous generation servers. Innovative Smart Grid® power management provides policy-based, rack-level power management to significantly lower your energy consumption. Energy Star™ certified choices 80+ Gold-rated power supplies and optional low voltage memory provide trusted efficiency and value.

#### Outstanding Value:

ThinkServer delivers the performance and reliability you demand, nicely configured as standard. It's everything you need in a durable, highly manageable server, and nothing you don't.

Standard rack features include onboard RAID, rail kits, onboard diagnostics, hot swap support and web enabled remote management. Feature rich performance, right out of the box. That's what makes a ThinkServer Think.

### Legendary Think Reliability

#### Business-Critical Reliability:

Legendary Think quality resonates in our ThinkServer portfolio -- outstanding thermal efficiency, and enterprise-tough design give you confident, highly reliable performance. Redundant power and advanced RAID choices offer ideal protection in demanding 24/7 deployments. Rest easy, ThinkServers are designed for rugged use, with vibration-resistant, shock-proof drive carriers and robust chassis designs.

#### Enterprise-Grade Manageability:

Management made easy – ThinkServers offer front-side powerful Easy Manage tools for quick monitoring. Common feature set, BIOS and tools across models provides intuitive, easy maintenance.

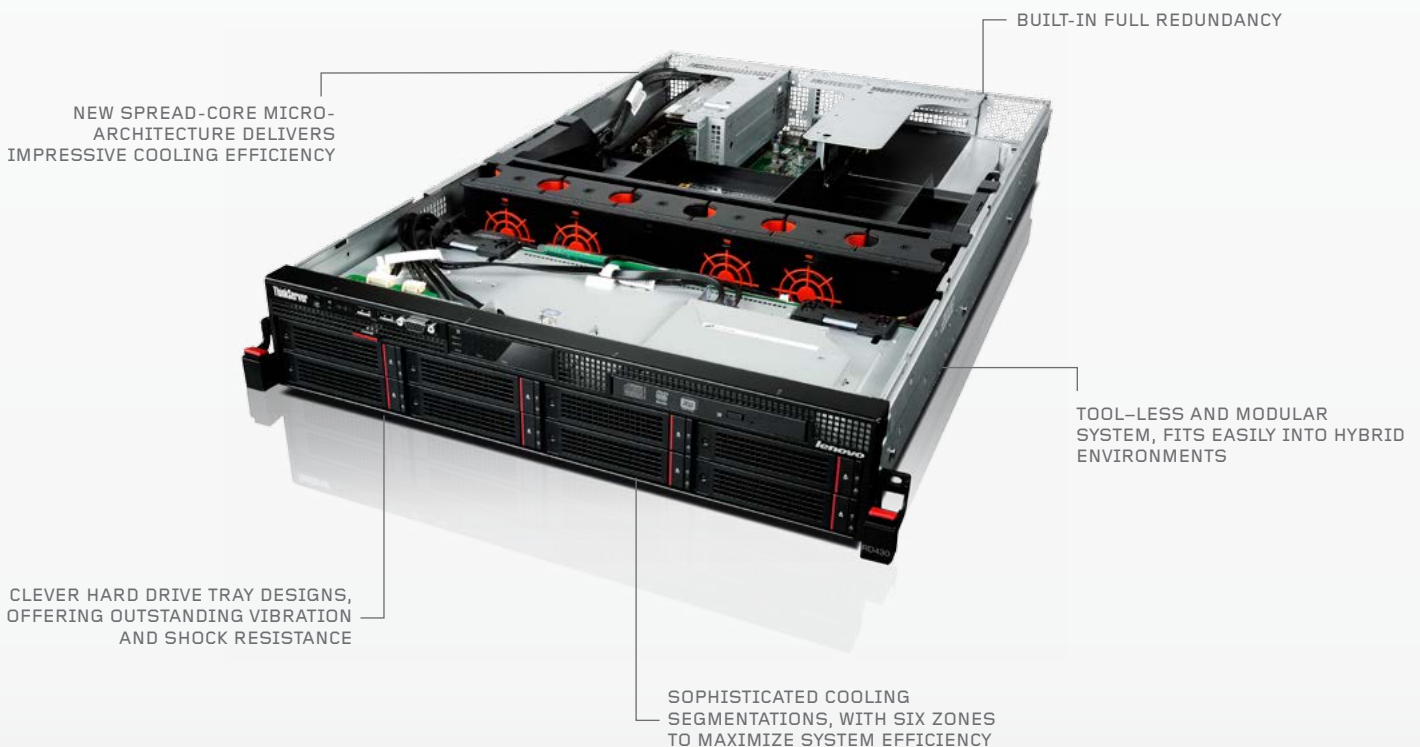
### Open Standards and Easy Serviceability

#### Open Standards:

ThinkServers fit anywhere. With industry standard protocols and IPMI 2.0 compliant interfaces you enjoy worry free, easy integration into your existing server networks. Don't be locked into proprietary server choices – ThinkServer RD430 works with the tools you use and rely on. Keep your existing management console and storage preferences.

#### Easy Serviceability:

Servicing your ThinkServer is easy, with simple 3-step rack installation. Extensive shared parts between platforms make it simple to service components and make upgrades. And, expert help is available fast when you need it – ThinkServer offers rapid 4-hour service response.



## SPECIFICATIONS

### OS SUPPORT

Microsoft Windows Server 2012 (Essentials / Standard / Datacenter)  
 Windows Server 2008 -- x86 Edition (Standard / Enterprise / Datacenter)  
 Windows Server 2008 -- x64 Edition (Standard / Enterprise / Datacenter)  
 Windows Server 2008 R2 -- x64 Edition (Standard / Enterprise / Datacenter)  
 Windows Server 2008 R2 SP1 -- x64 Edition (Standard / Enterprise / Datacenter)  
 Windows Small Business Server 2011(Standard / Premium Add On)  
 Novel SUSE Linux Enterprise Server (11.1 / 11.2)  
 RedHat Enterprise Linux Server (5.7 / 6.1)  
 VMWare vSphere (5.0 / 5.1) and VMWare ESXi  
 Microsoft Hyper-v Server 2008  
 Microsoft Hyper-v Server 2008 R2 with SP1

### CPU

Dual socket.  
 Intel Xeon E5-2400 series,  
 up to 95W choices

### STORAGE

8x or 12x 3.5 HDD Bays – up to 36TB  
 internal SATA storage or 7.2TB internal  
 SAS storage  
 8x or 16x 2.5" HS HDD Bays – up to 16TB  
 internal SAS storage

### CHIPSET

Intel C600

### POWER

1+1 Redundant Power – 800W (80Plus Gold),  
 Energy Star Server 1.1 compliant

### MEMORY

12 DIMM slots - up to 192GB  
 - RDIMM and LV RDIMM DDR3-1333  
 Memory DIMM  
 - 2G/4G/8G/16G RDIMM  
 - 2G/4G/8G/16G LV RDIMM  
 RAS: ECC, Lock step, Mirroring, Sparing

### STORAGE CONTROLLER

ThinkServer RAID 300 adapter (RAID  
 0/1/10)\*  
 Optional RAID 300 Upgrade Key (RAID 5)  
 ThinkServer RAID 500 Adapter: Hardware  
 SAS/SATA supports RAID 0,1,10  
 Optional ThinkServer RAID 500 RAID 5  
 upgrade Key  
 ThinkServer RAID 700 Adapter: Hardware  
 SAS/SATA supports RAID 0/1/5/10/6/50/60  
 has 512MB cache  
 Optional ThinkServer RAID 700 battery

### I/O CONNECTORS

Dual ports 10/100/1000 Intel i350 PHYs  
 One dedicated/shared management LAN  
 (Intel 82574)  
 Front: 2x USB2.0, 1x VGA  
 Rear: VGA, COM, 4x USB2.0,  
 Internal: 2x USB(2x5), 2x USB(typeA), 1x TPM/  
 TCM

### COOLING

4 Hot-swap fans<sup>3</sup>

### CHASSIS

2U Rack mountable

### DIMENSIONS /WEIGHTS

442mm (W) x 87.6mm (H) x 720.6mm (D)  
 Max 26.5kg

### DIAGNOSTICS

Intelligent Diagnostics Panel  
 Intelligent Diagnostics Premium (optional)

### MANAGEMENT

ThinkServer Management Module (iBMC)  
 ThinkServer Management Module Premium  
 (iKVM)

### MANAGEABILITY/RAS/SERVICE

Optional Remote Management / KVM  
 IPMI 2.0 / SOL  
 TPM (Supports TCG 1.2)  
 uEFI

### I/O EXPANSION SLOTS

PCIe GEN3/1 CPU:  
 1 x LP x8 mechanical, x8 electrical  
 1 x FH/HL x16 mechanical, x16 electrical  
 1 x FH/HL x8 mechanical, x8 electrical  
 PCIe GEN3/2 CPU:  
 1 x LP x8 mechanical, x8 electrical  
 1 x FH/HL x16 mechanical, x16 electrical  
 1 x FH/HL x16 mechanical, x8 electrical  
 2 x FH/HL x8 mechanical, x8 electrical

\* ThinkServer RAID 300 supports up to 8 HDDs.

## OPTIONS AND ACCESSORIES

### HARD DRIVES

- ThinkServer 2.5" 100GB MLC SATA Solid State Drive (0A89420)
- ThinkServer 2.5" 200GB MLC SATA Solid State Drive (0A89418)
- ThinkServer 2.5" 400GB MLC SATA Solid State Drive (0A89419)
- ThinkServer 2.5" 500GB 7.2K 6Gbps SATA HDD (0C19495)
- ThinkServer 2.5" 1TB 7.2K 6Gbps SATA HDD (0C19496)
- ThinkServer 3.5" 500GB 7.2K 6Gbps SATA Hot Swap HDD (0A89473)
- ThinkServer 3.5" 1TB 7.2K 6Gbps SATA Hot Swap HDD (0A89474)
- ThinkServer 3.5" 2TB 7.2K 6Gbps SATA Hot Swap HDD (0A89475)
- ThinkServer 3.5" 3TB 7.2K 6Gbps SATA Hot Swap HDD (0A89477)
- ThinkServer 2.5" 146GB 15K SAS 6Gbps Hot Swap HDD (0C19493)
- ThinkServer 2.5" 300GB 15K SAS 6Gbps Hot Swap HDD (0C19494)
- ThinkServer 3.5" 300GB 15K SAS 6Gbps Hot Swap HDD (67Y2616)
- ThinkServer 3.5" 450GB 15K SAS 6Gbps Hot Swap HDD (67Y2617)
- ThinkServer 2.5" 300GB 10K SAS 6Gbps Hot Swap HDD (67Y2619)
- ThinkServer 2.5" 450GB 10K SAS 6Gbps Hot Swap HDD (67Y2620)
- ThinkServer 2.5" 600GB 10K SAS 6Gbps Hot Swap HDD (67Y2621)
- ThinkServer 2.5" 900GB 10K SAS 6Gbps Hot Swap HDD (0A89409)



### MEMORY

- ThinkServer 4GB DDR3-1333MHz (1Rx4) RDIMM (0A89411)
- ThinkServer 8GB DDR3-1333MHz (2Rx4) RDIMM (0A89412)
- ThinkServer 16GB DDR3-1333MHz (2Rx4) RDIMM (0A89413)
- ThinkServer 4GB DDR3L 1333MHz (1Rx4) RDIMM (0A89415)
- ThinkServer 8GB DDR3L 1333MHz (2Rx4) RDIMM (0A89416)
- ThinkServer 16GB DDR3L 1333MHz (2Rx4) RDIMM (0A89417)
- ThinkServer 2GB DDR3-1333MHz (1RX8) ECC UDIMM (67Y2606)
- ThinkServer 4GB DDR3-1333MHz (2RX8) ECC UDIMM (67Y2607)

### RAID OPTIONS

- ThinkServer RAID 500 Adapter II (0A89464)
- ThinkServer RAID 500 Upgrade Key for Advanced RAID (0A89407)
- ThinkServer RAID 700 Adapter II (0A89463)
- ThinkServer RAID 700 Battery (67Y2647)



### HBA AND ETHERNET ADAPTERS

Lenovo Gigabit ET Dual Port Server Adapter by Intel (0A89423)

Lenovo Ethernet I340 Quad Port Server Adapter by Intel (0A89424)

Lenovo 10Gbps Ethernet X520-SR2 Server Adapter by Intel (0C19487)

Lenovo 10Gbps Ethernet X520-DA2 Server Adapter by Intel (0C19486)

Lenovo 10Gbps Ethernet X540-T2 Server Adapter by Intel (0C19497)

Lenovo 10Gbps Ethernet Fiber Module by Intel (0C19488)



### MANAGEMENT AND POWER

- ThinkServer 800W Hot Swap Redundant Power Supply (0A89427)
- ThinkServer Management Controller Premium (67Y2624)



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